

004027-840700

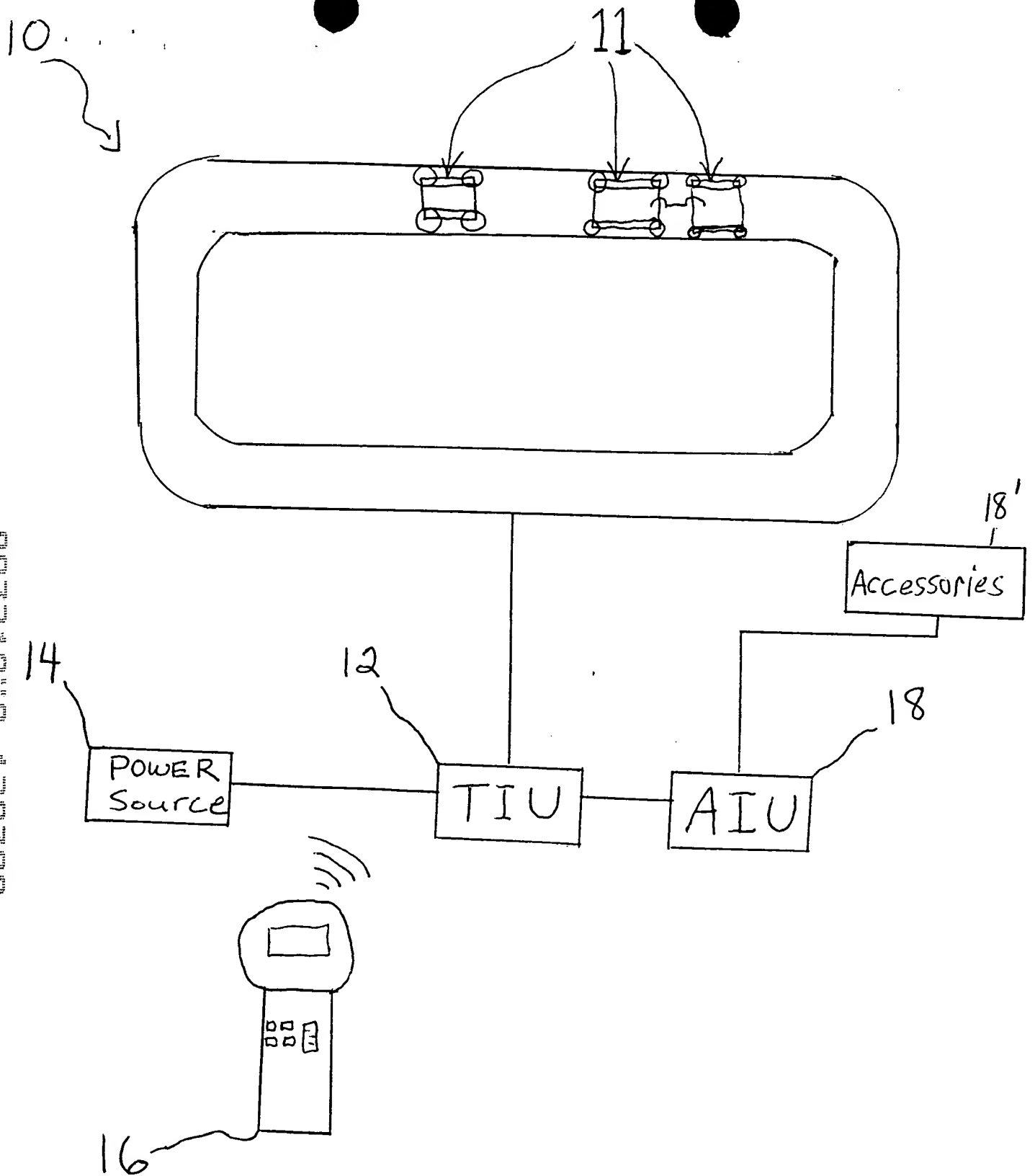


Figure 1

09731048-120700

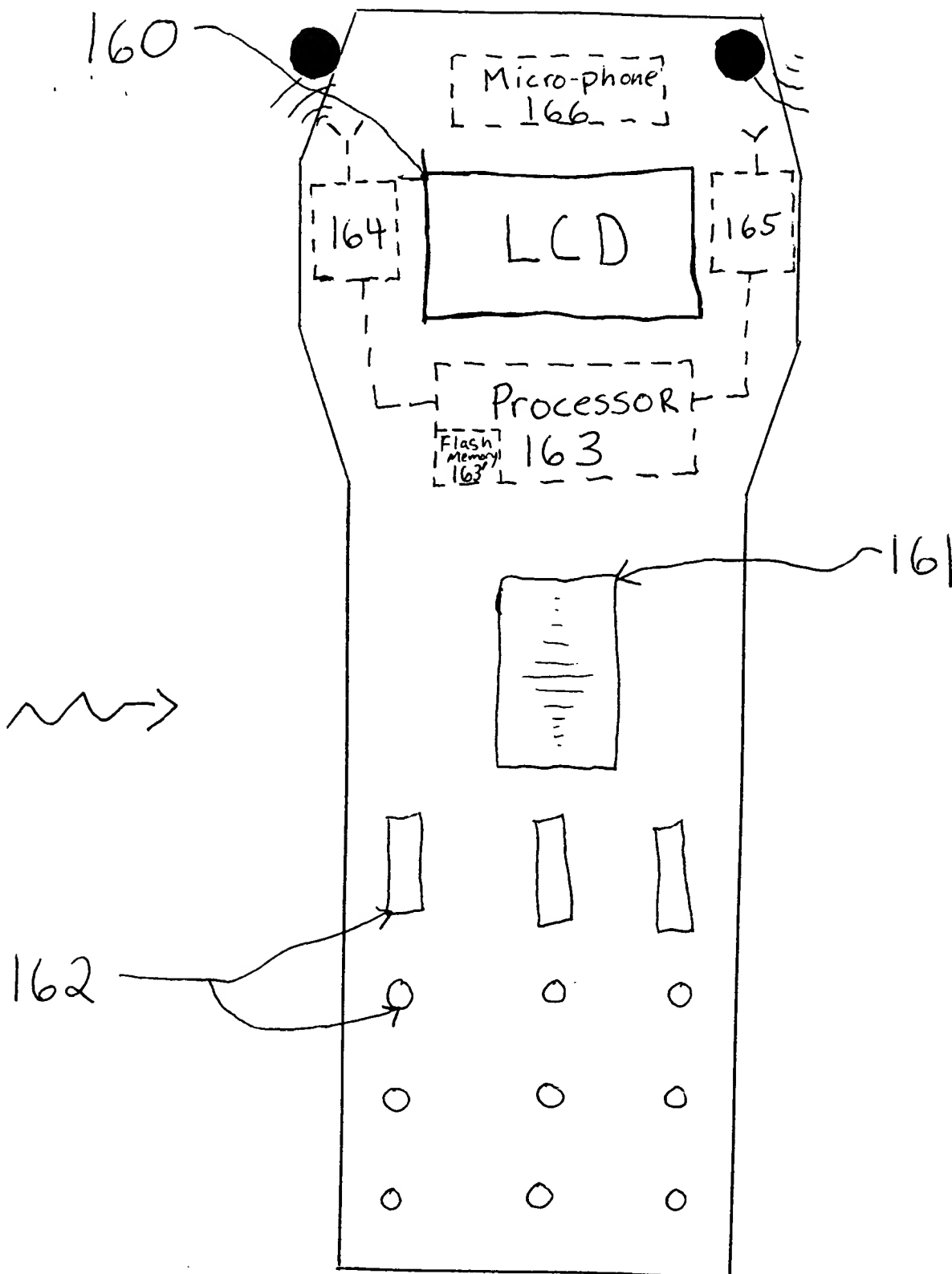


Figure 2

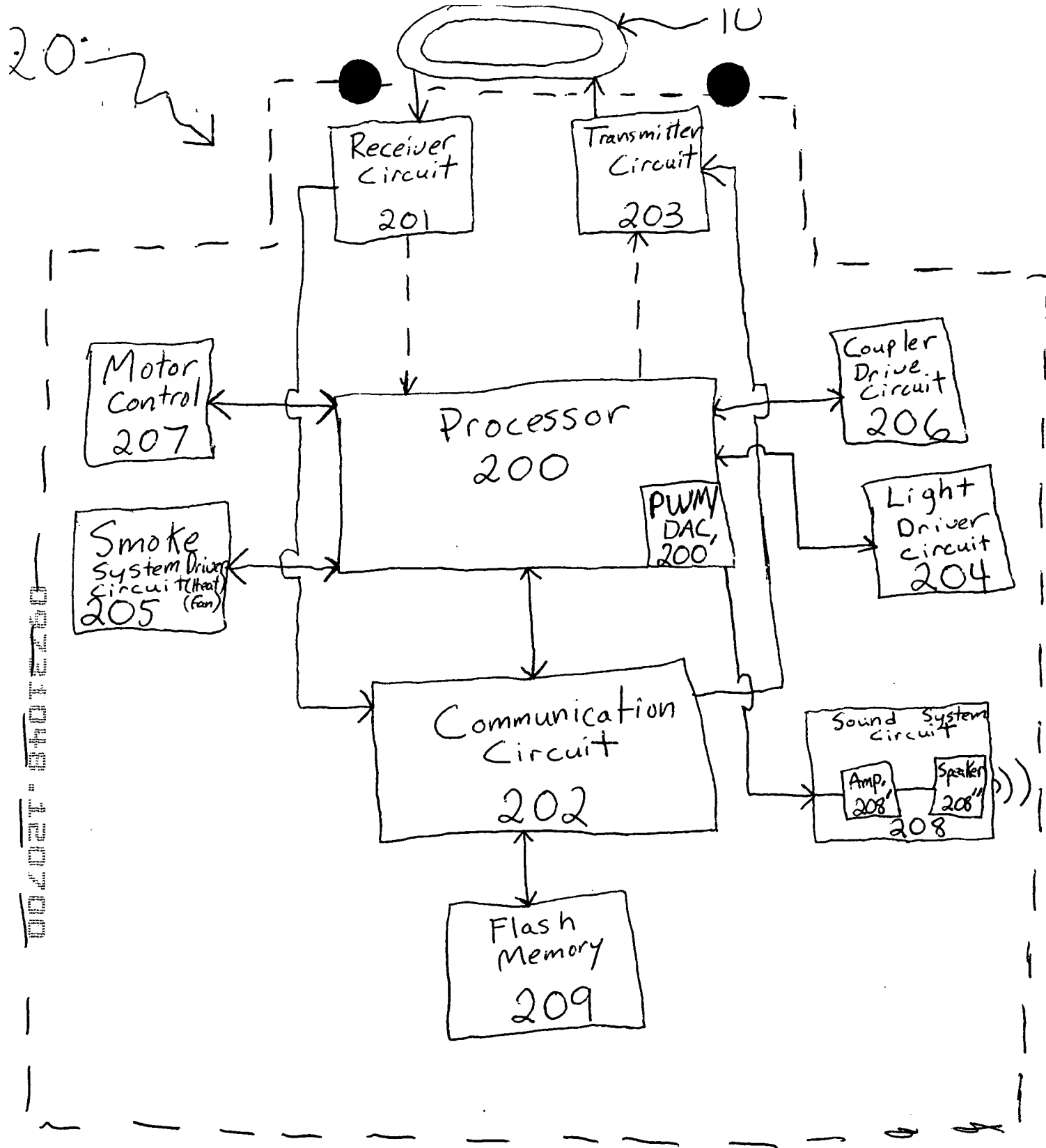


Figure 4

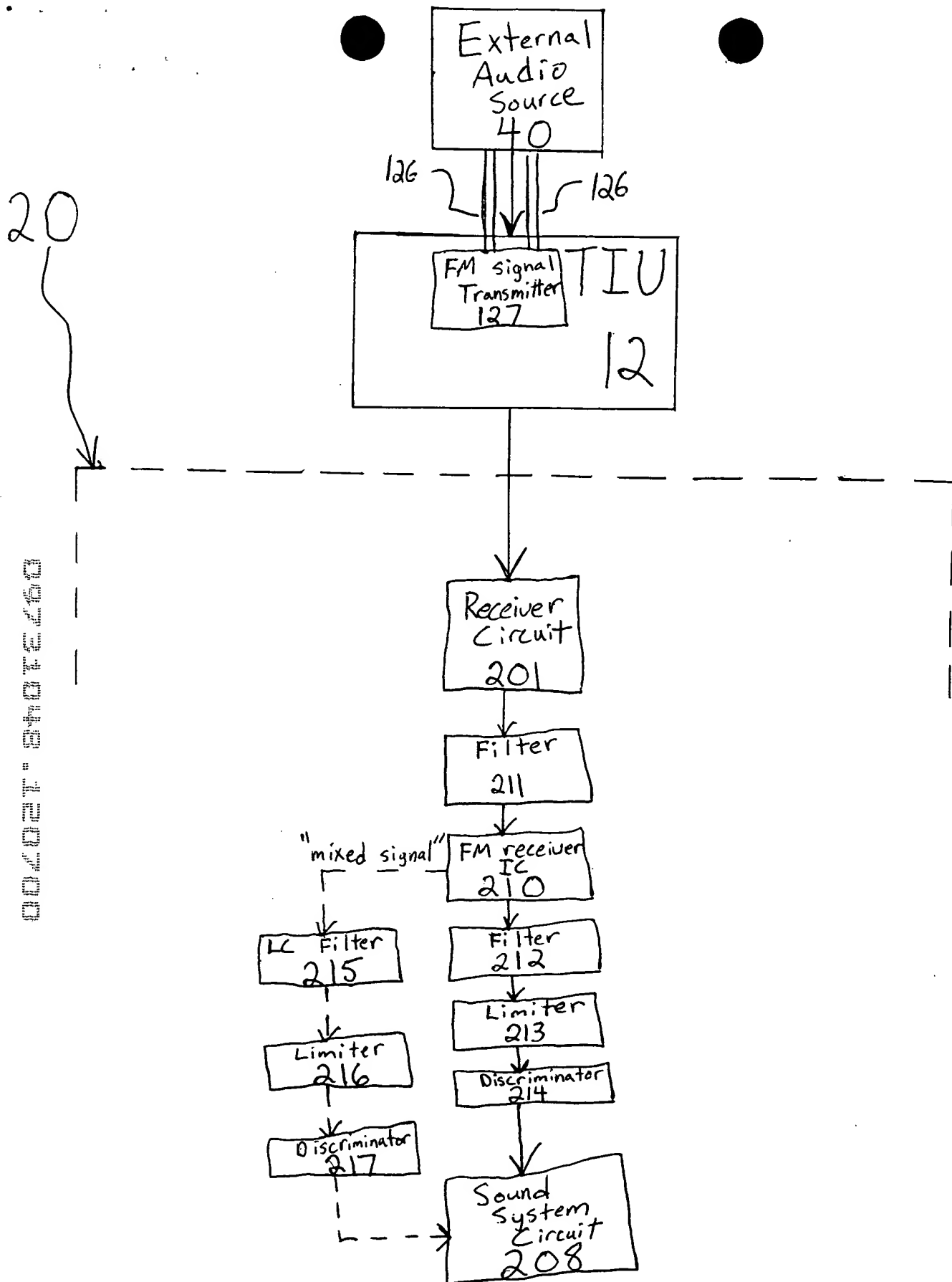


Figure 4A

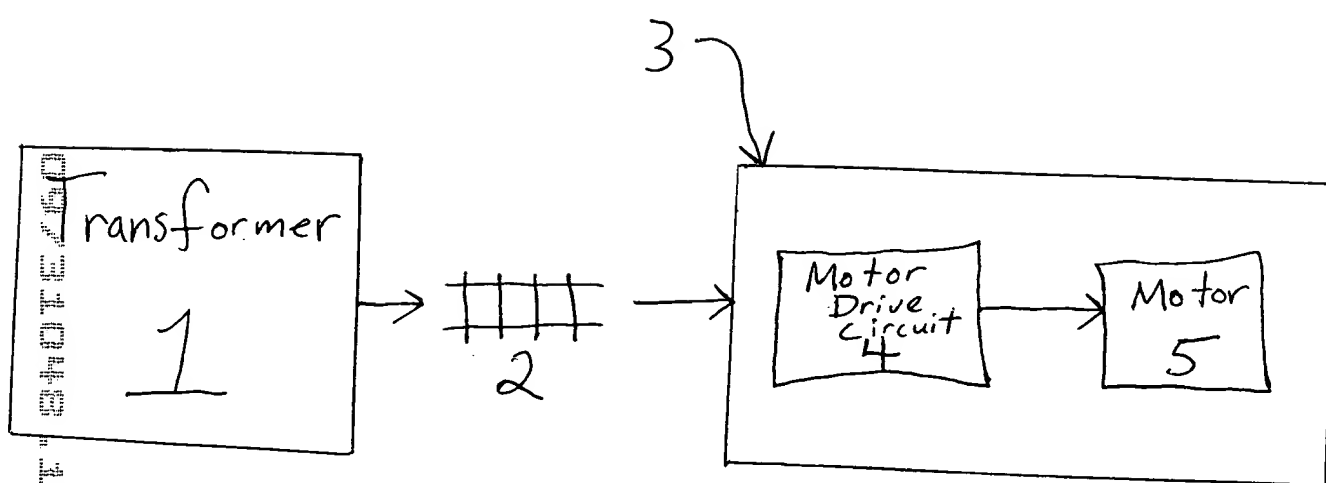


Figure 5
(Prior Art)

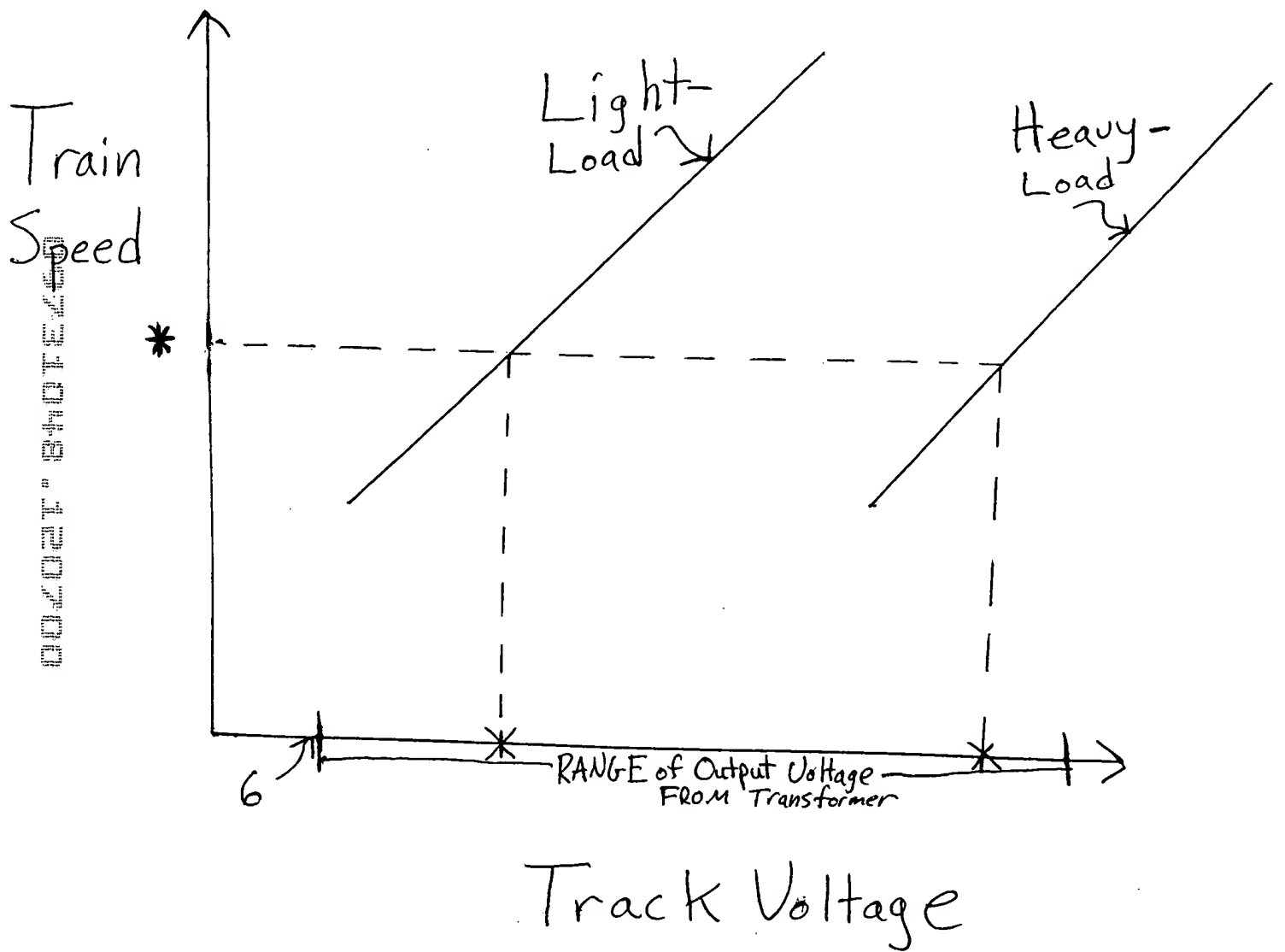


Figure 6

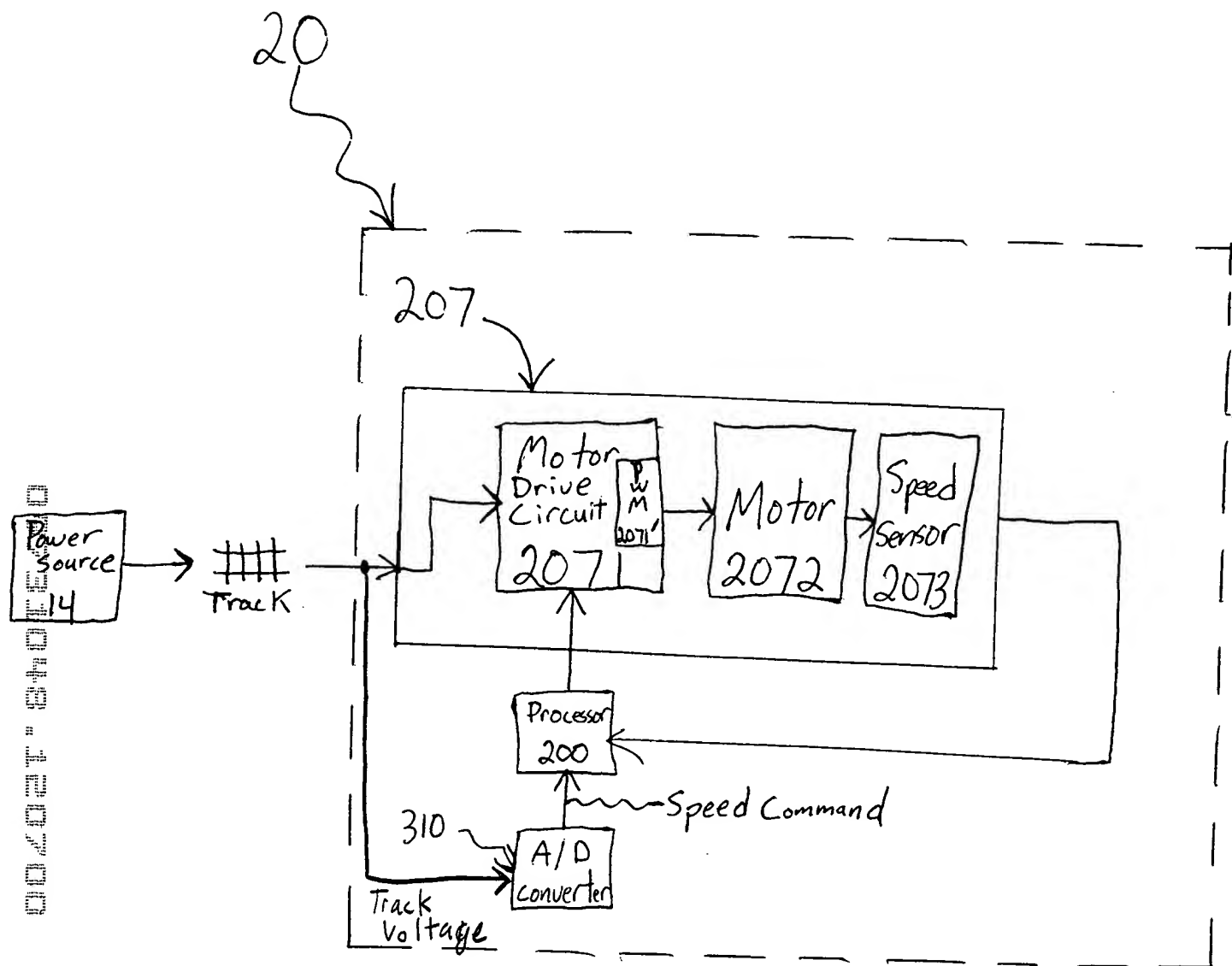


Figure 7

V^+

Rectified Track
Voltage

2071'

direction
relay

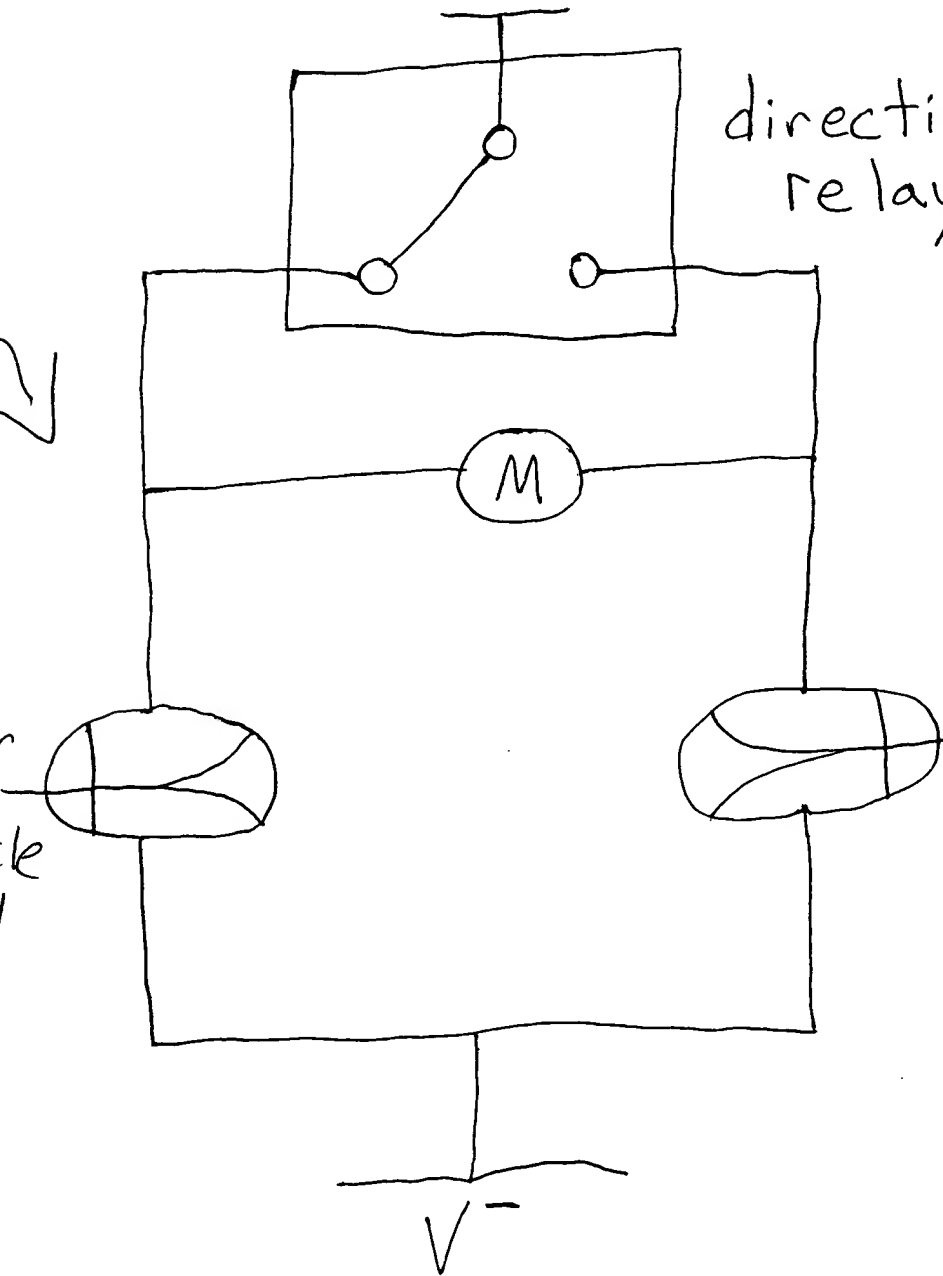
Processor
duty-cycle
Control
Pulses

Processor
duty-cycle
control
pulses

V^-

Figure 8

09731048-120700



Train
Speed

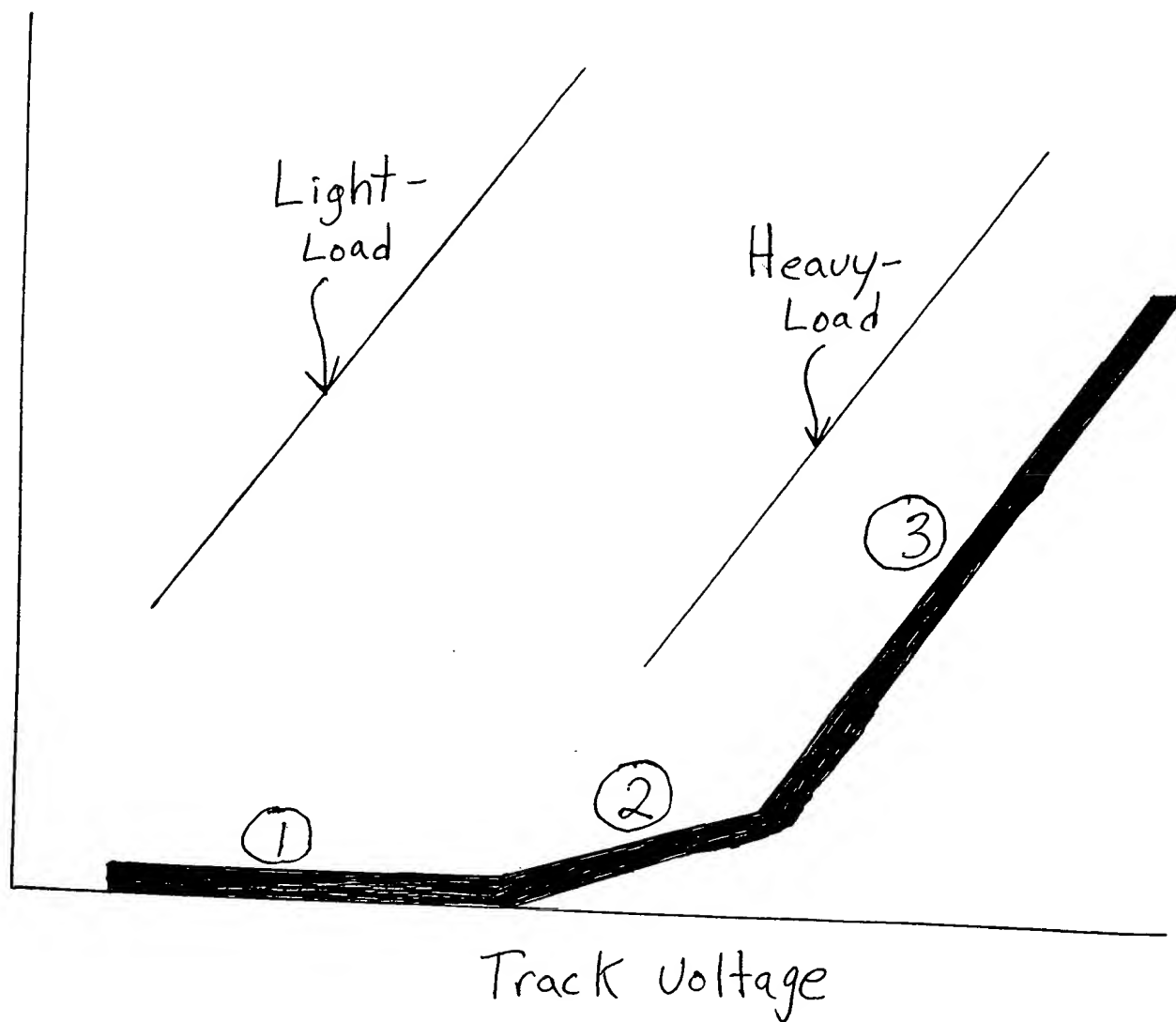
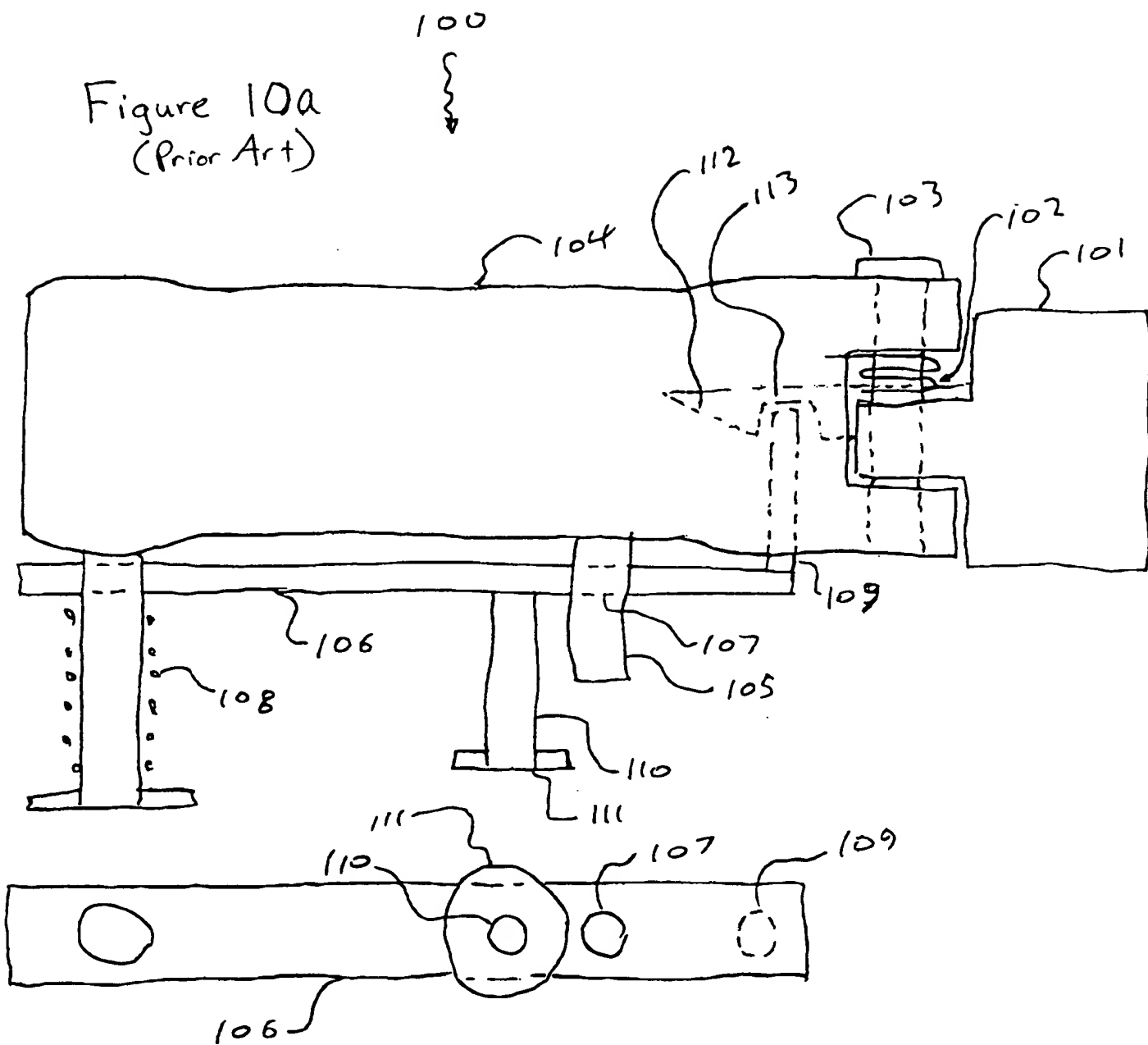
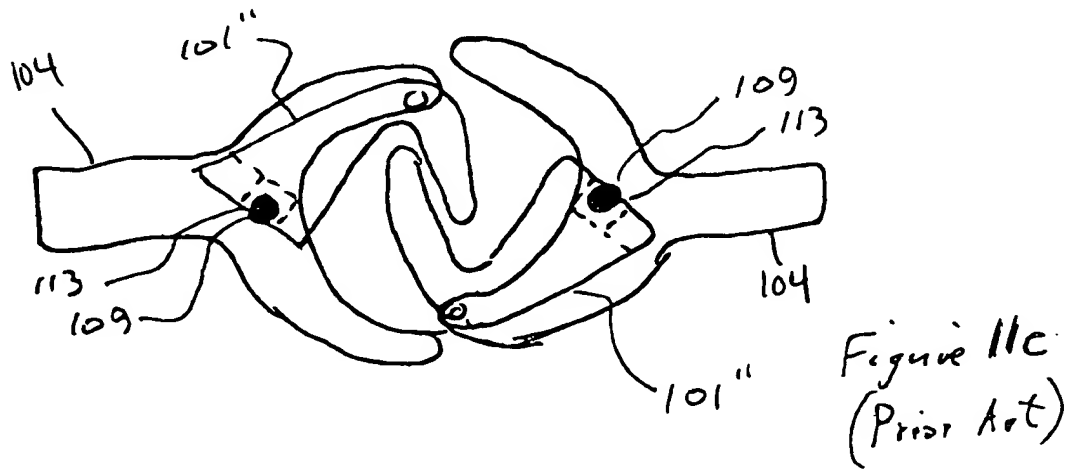
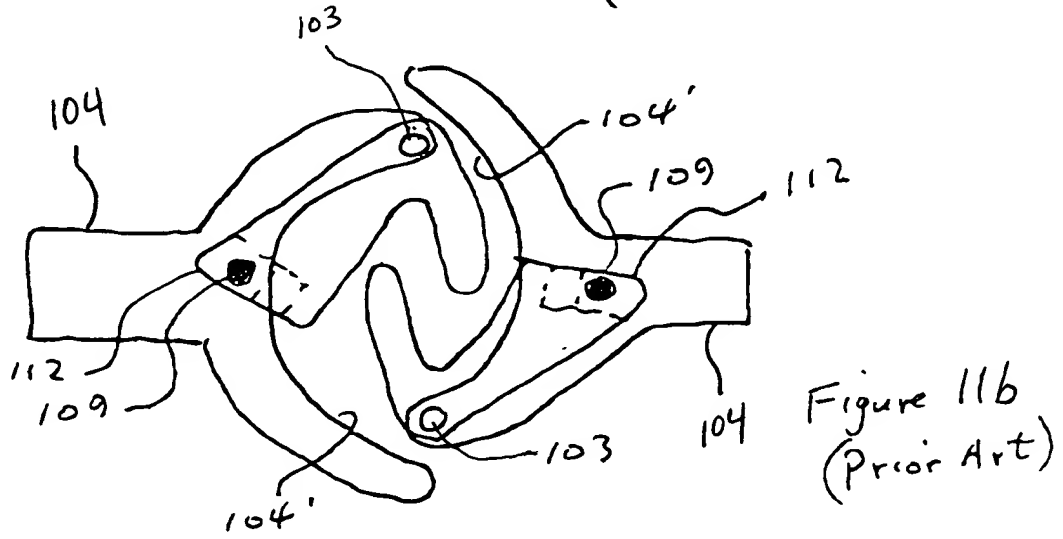
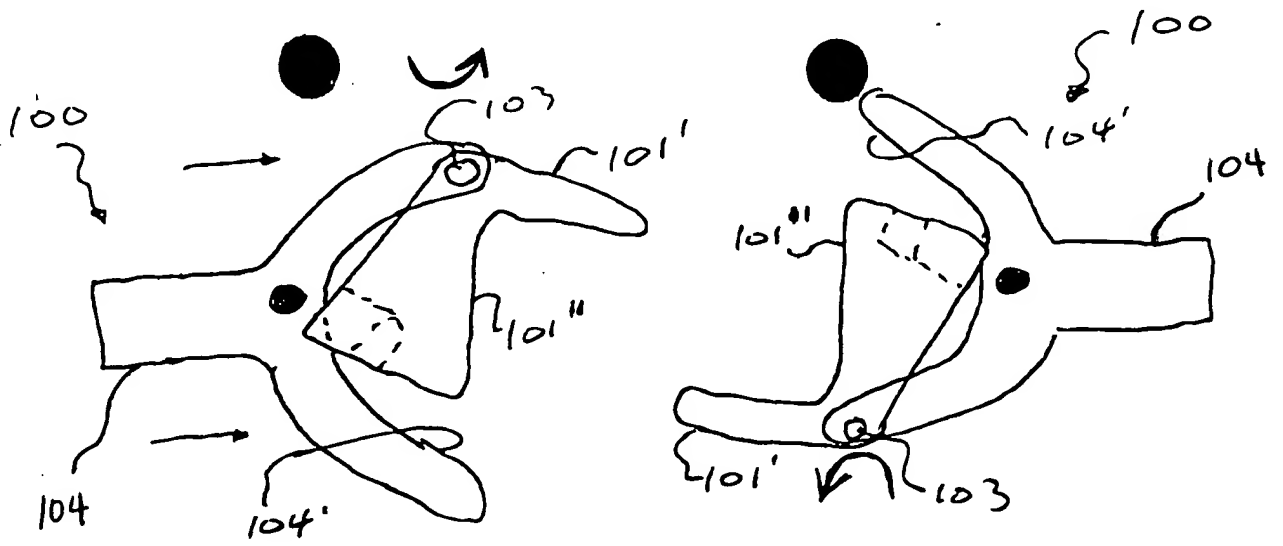


Figure 9

Figure 10a
(Prior Art)





150

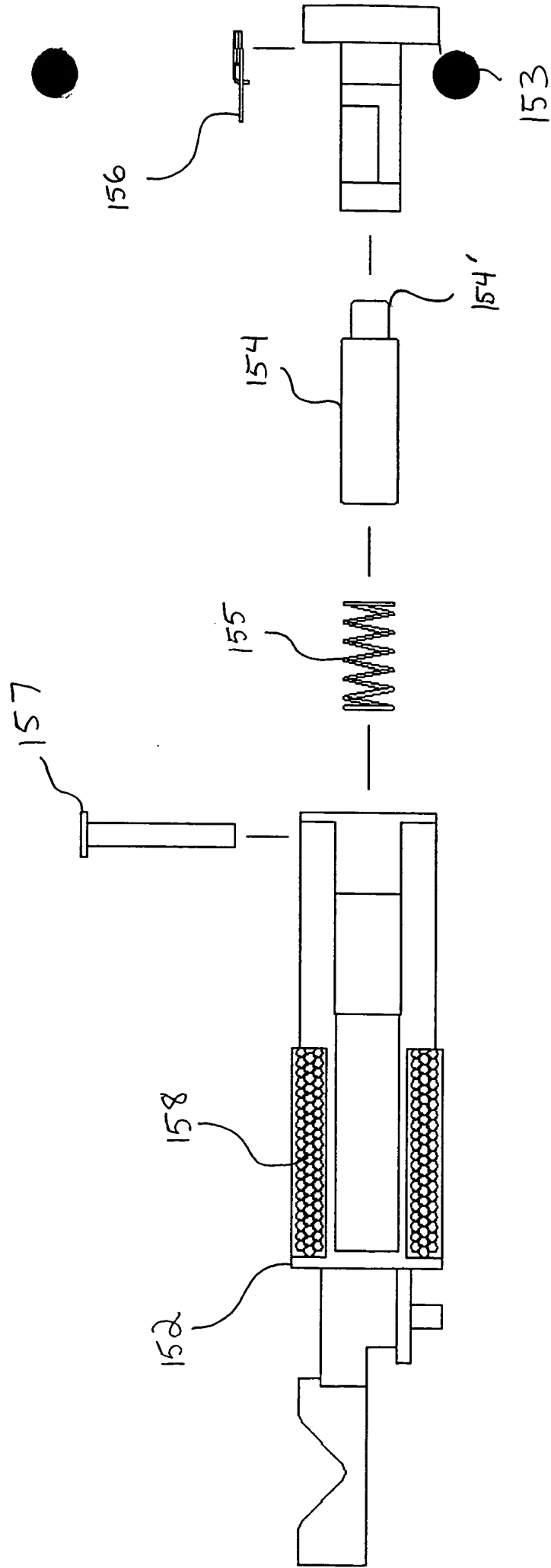


Figure 12 a
(Prior Art)

150



150 ↗



206

00202T 8407E260

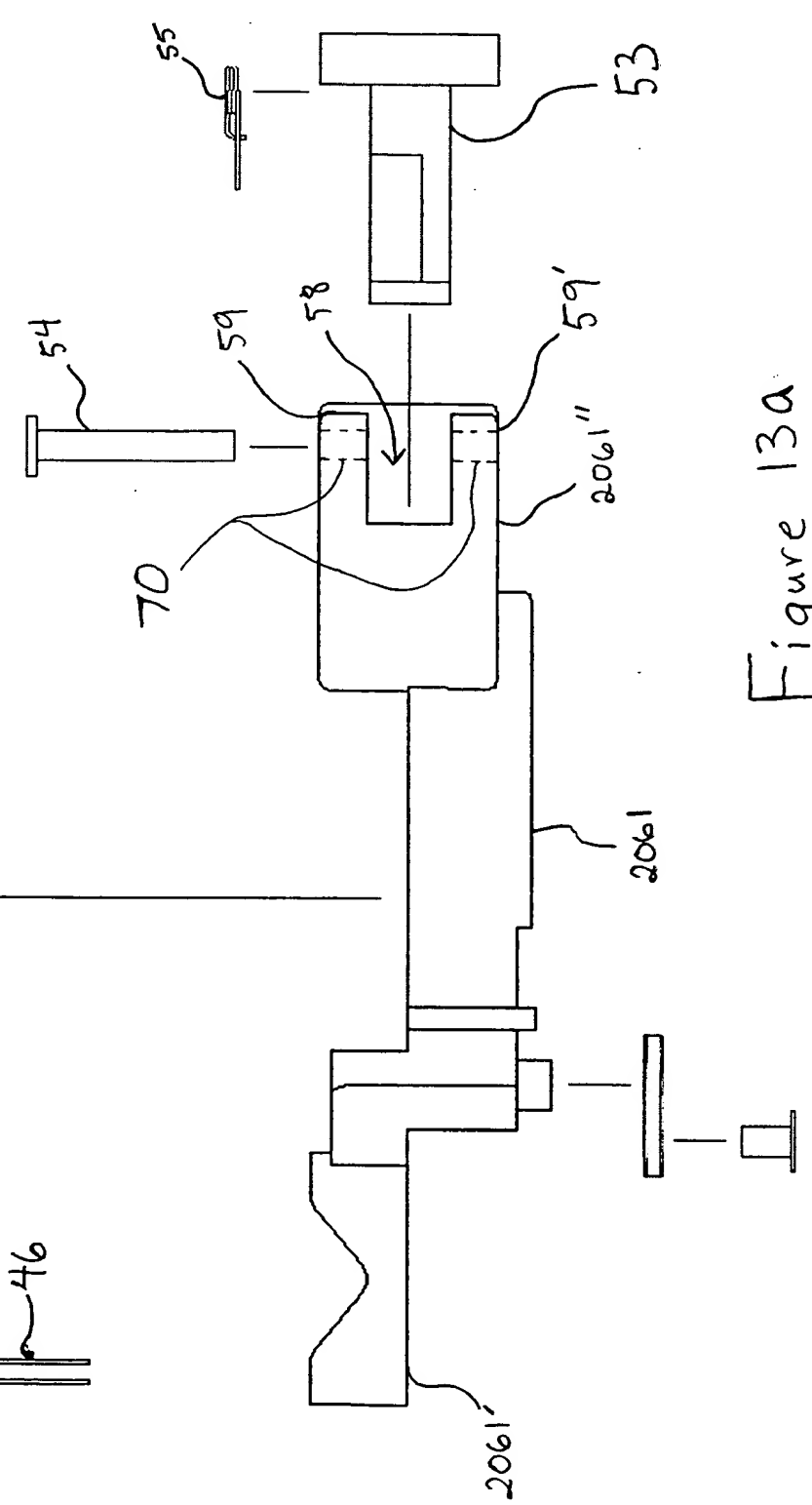
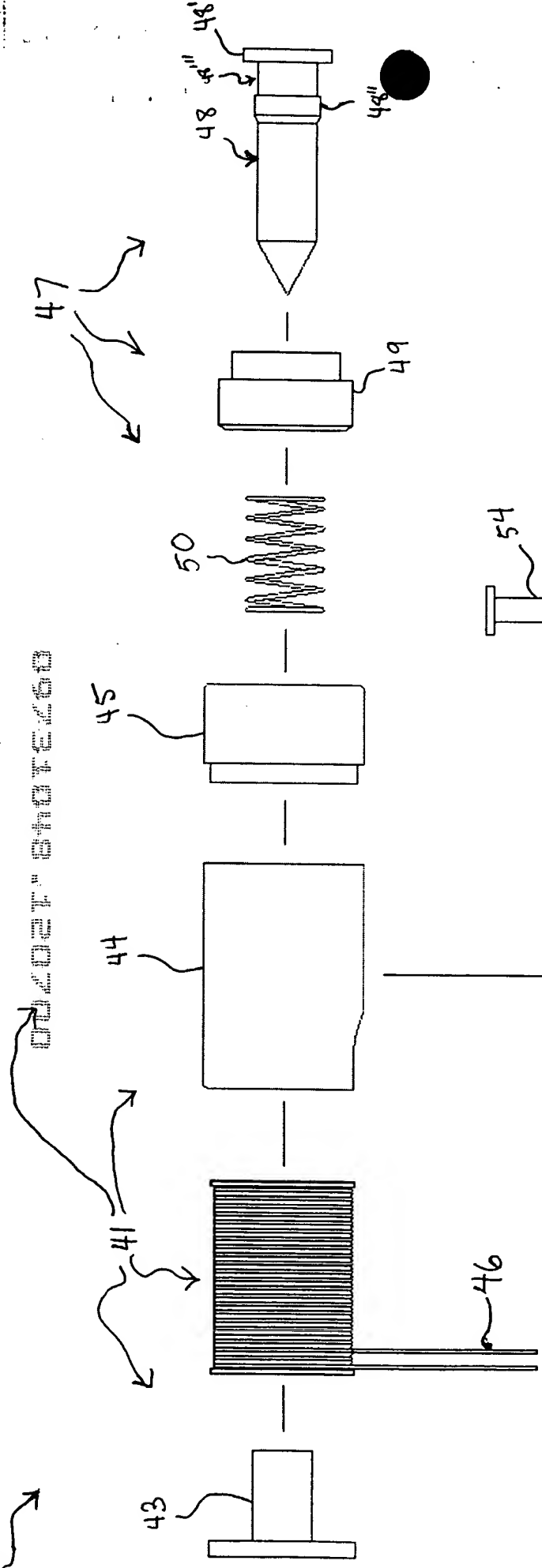


Figure 13a

06231048-2

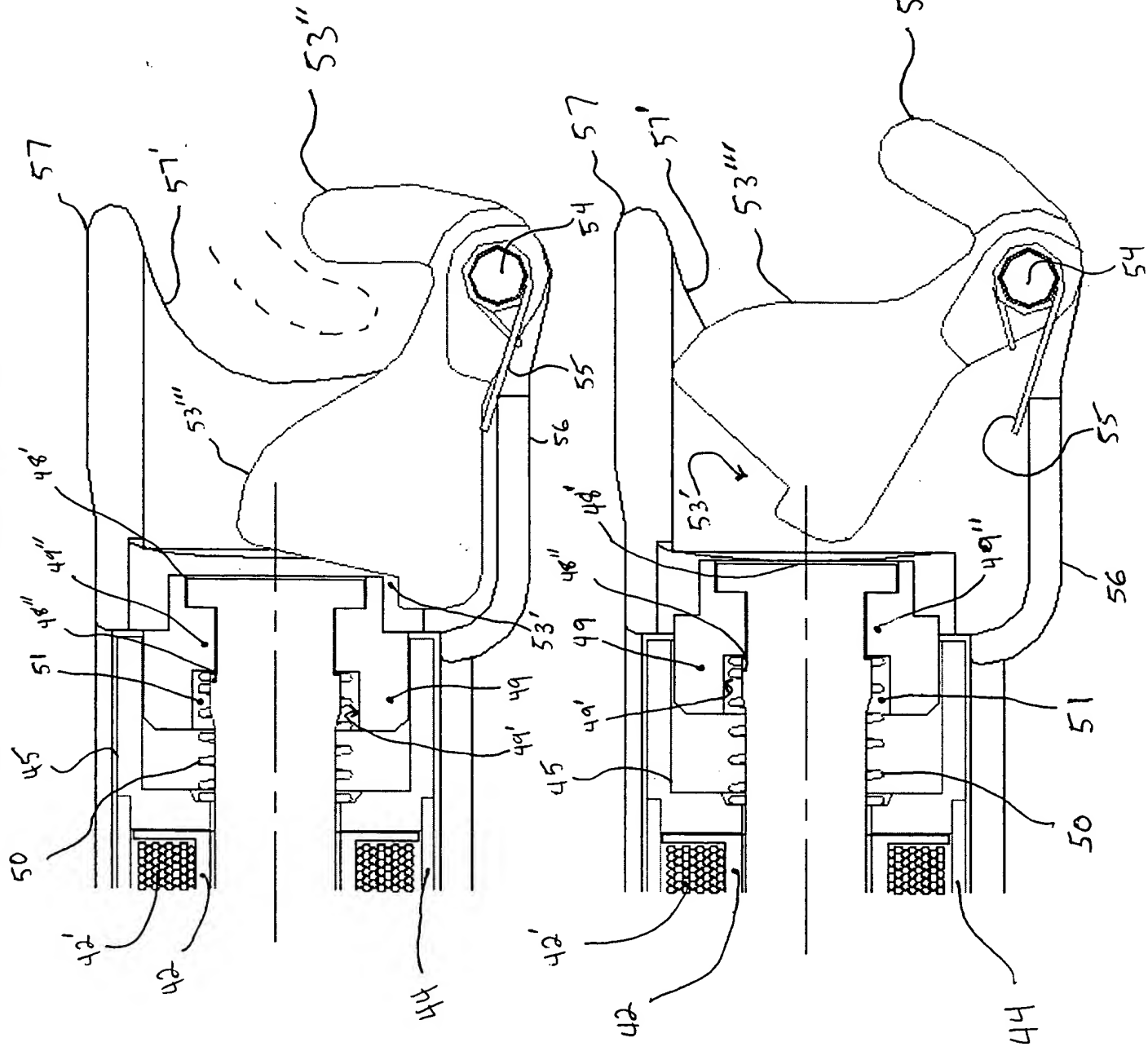


Figure 13e

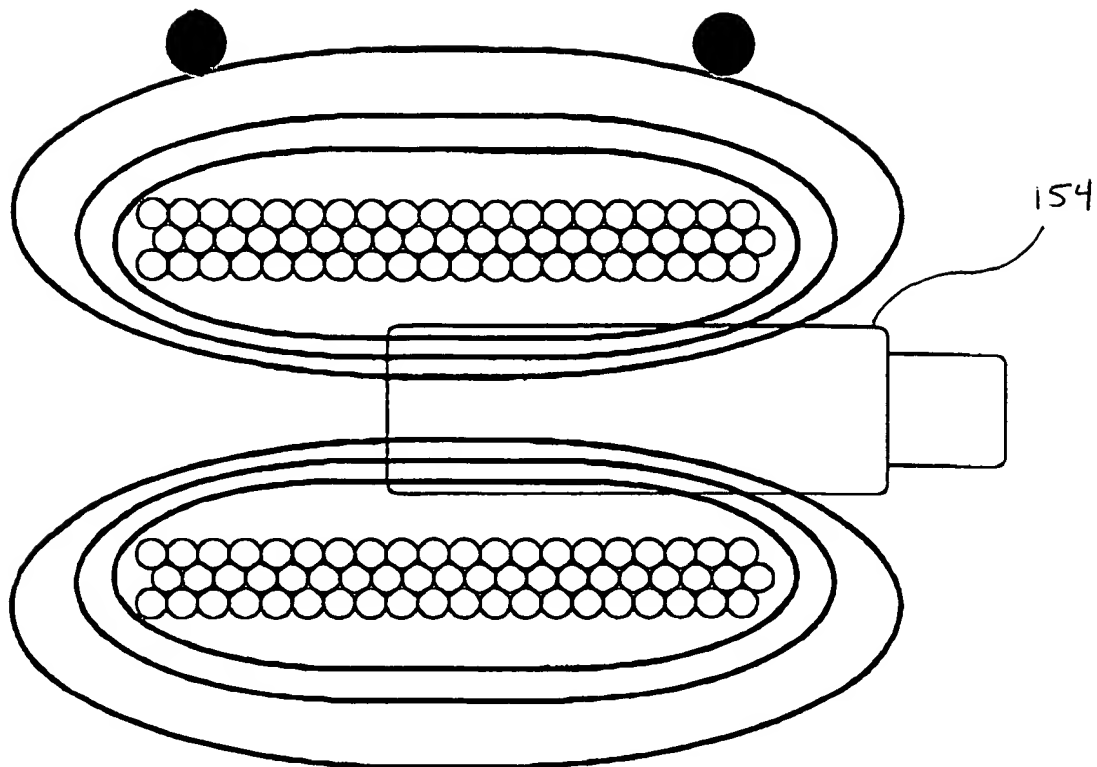
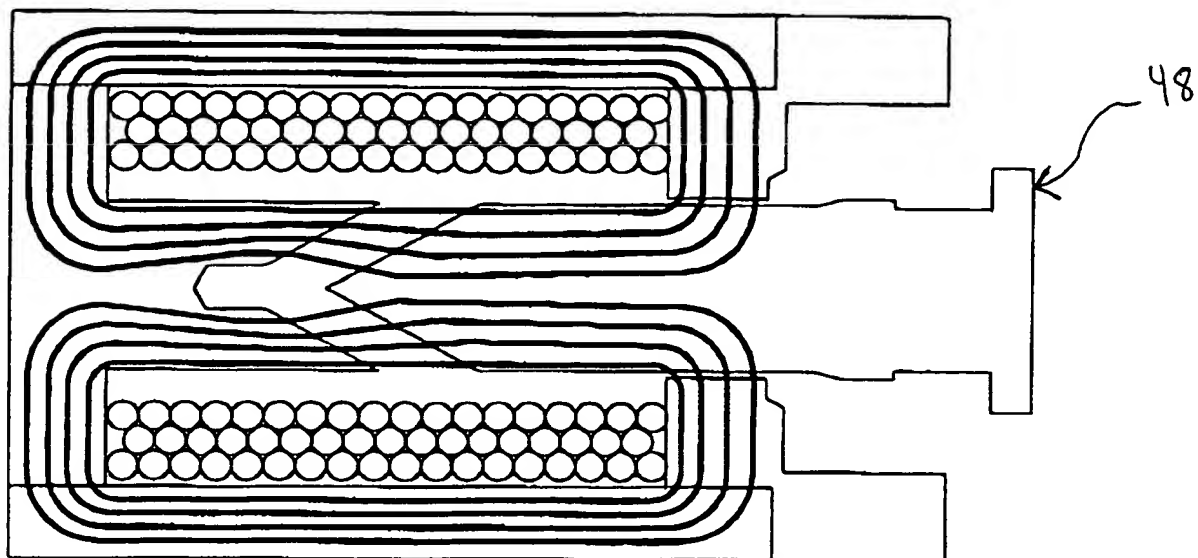


Figure 13f
(Prior Art)

Figure 13g



144

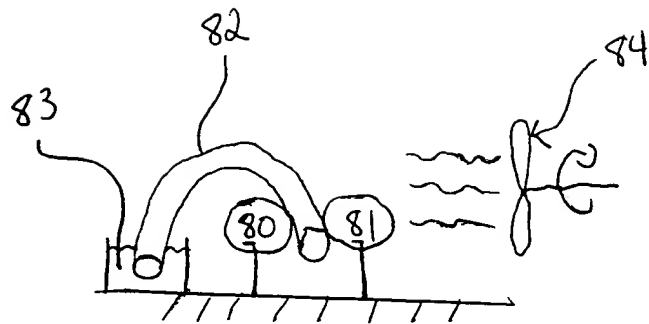


Figure 14a

144

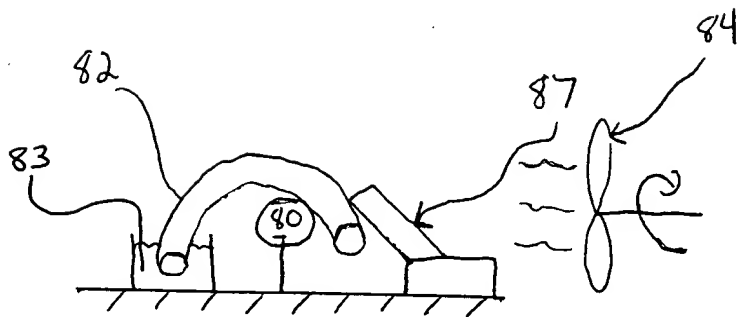


Figure 14b

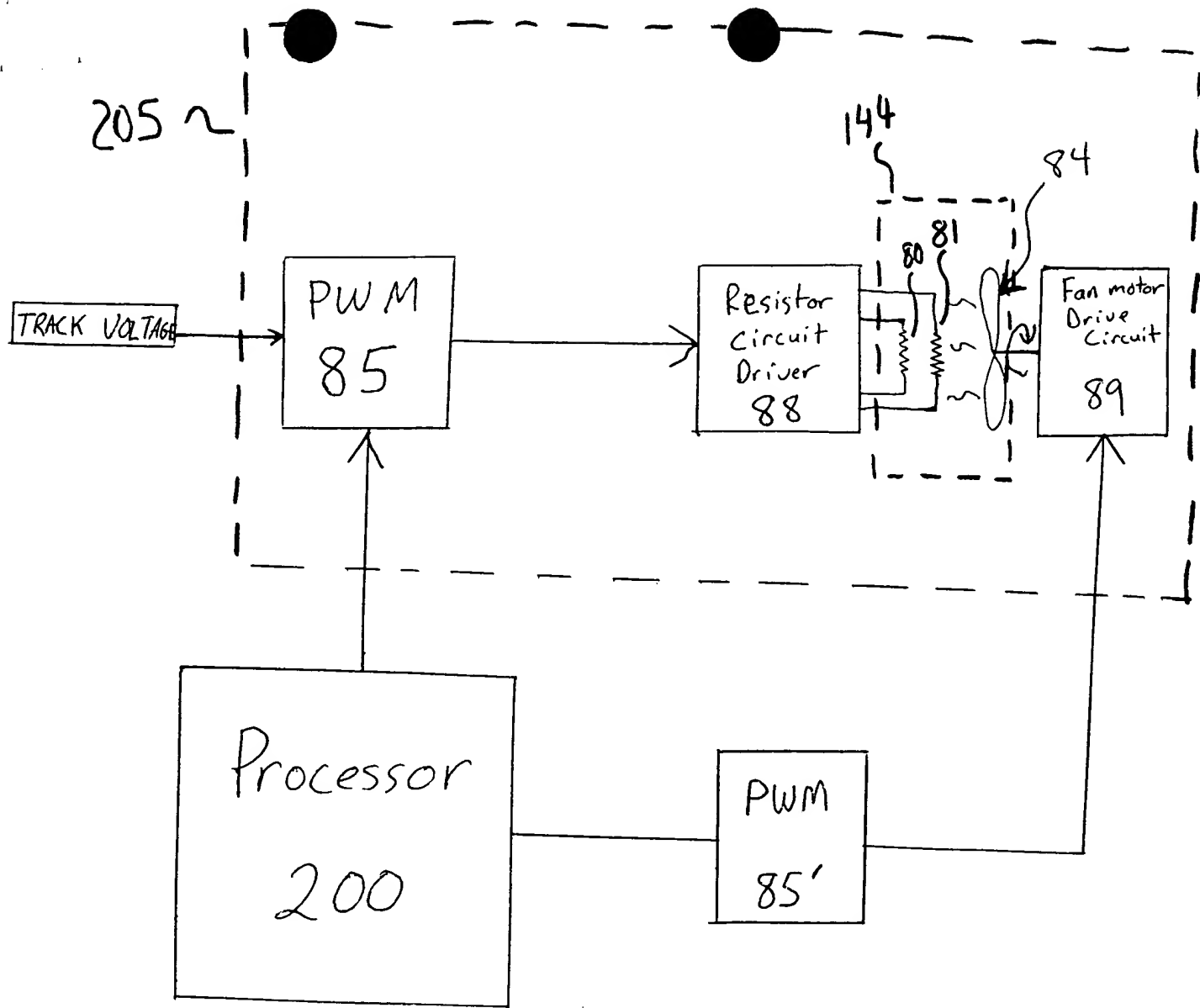


Figure 14c

P-N codes →

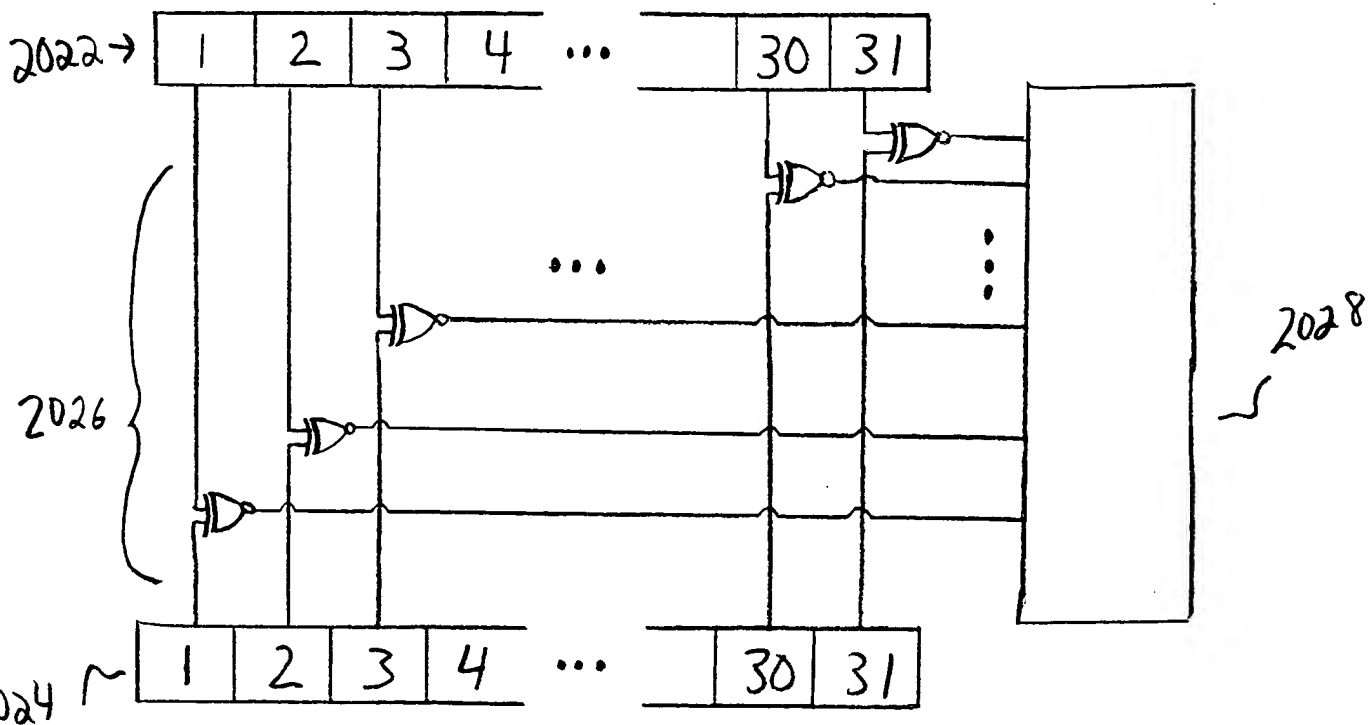


Fig. 15a [IDEAL CASE]

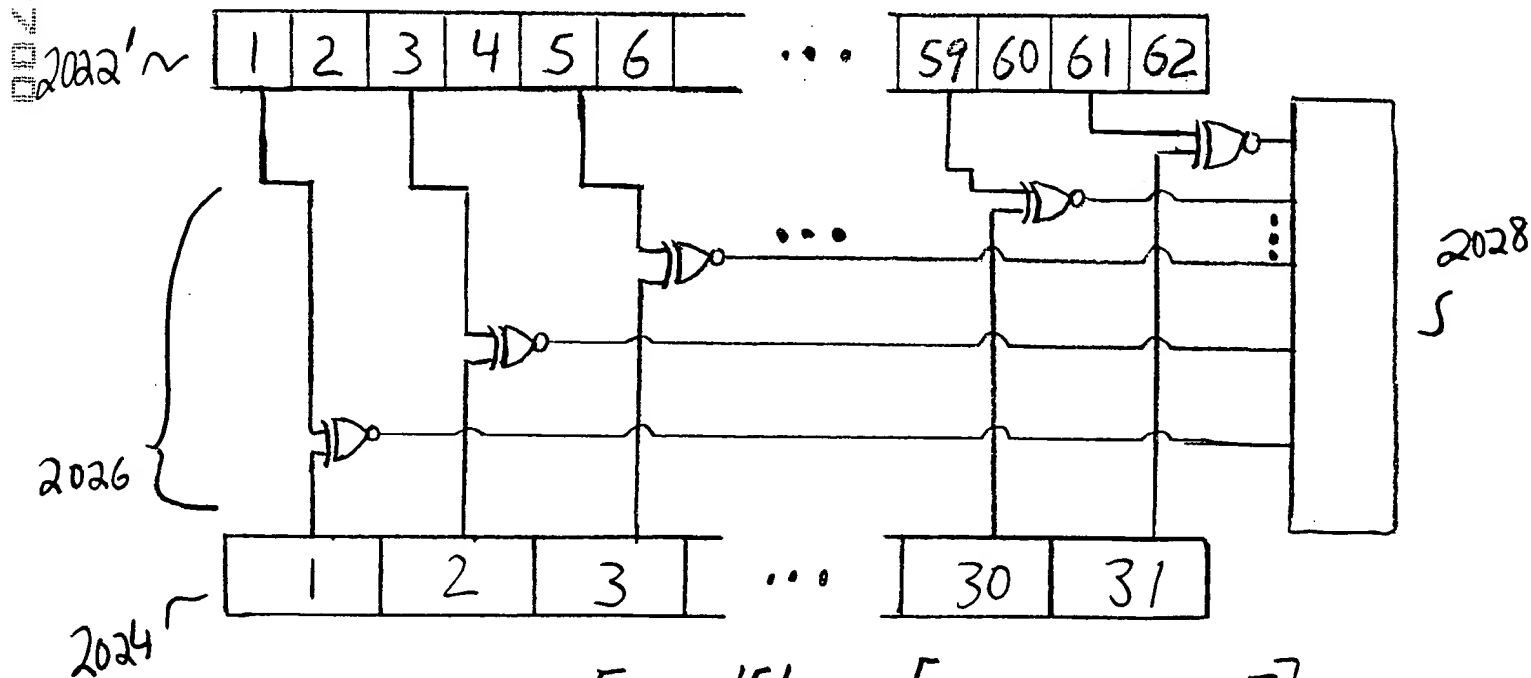
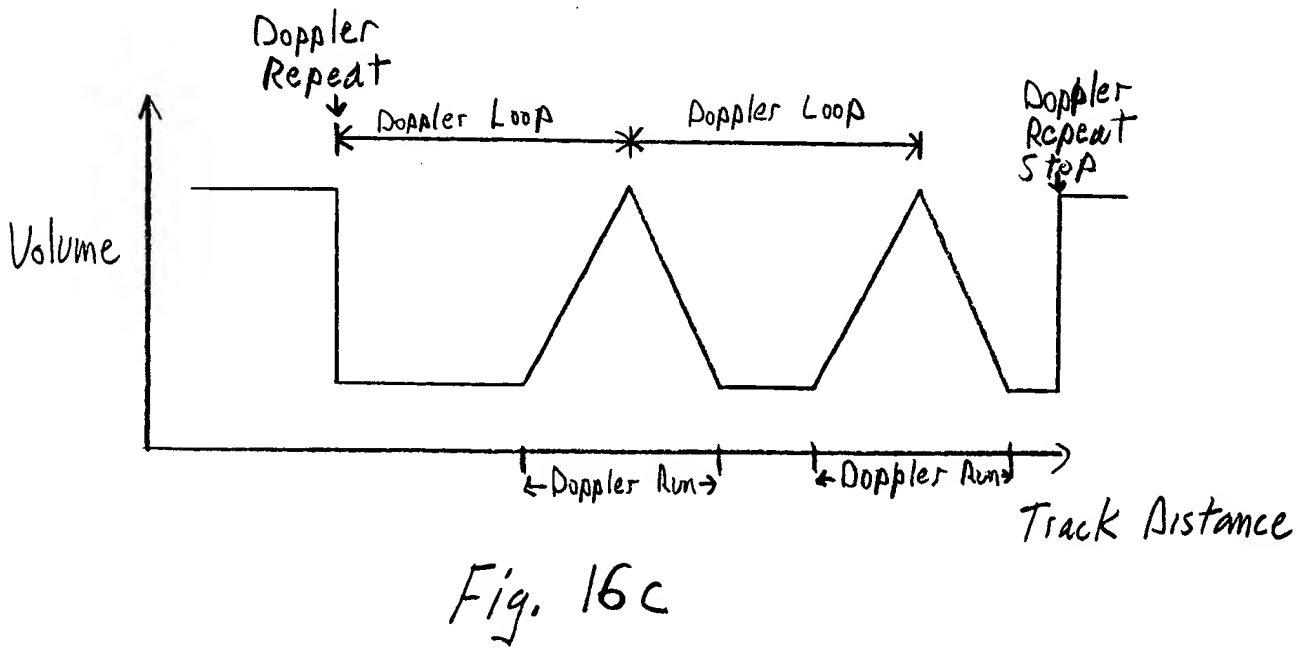
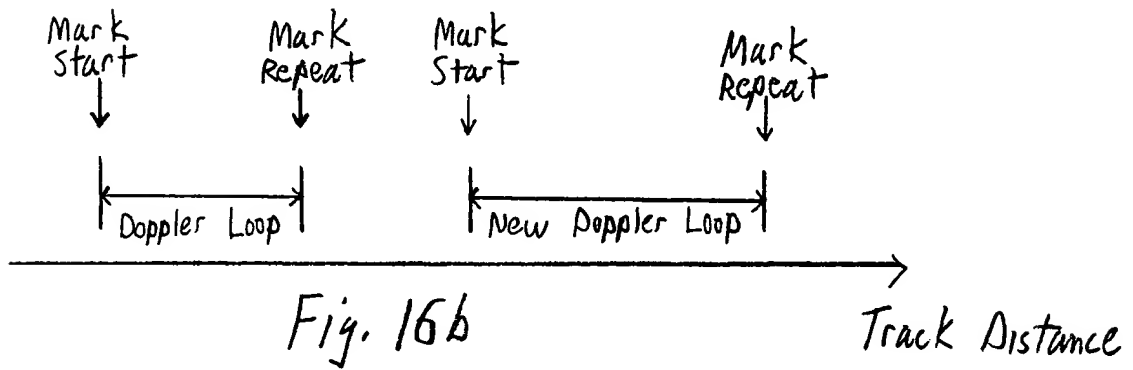
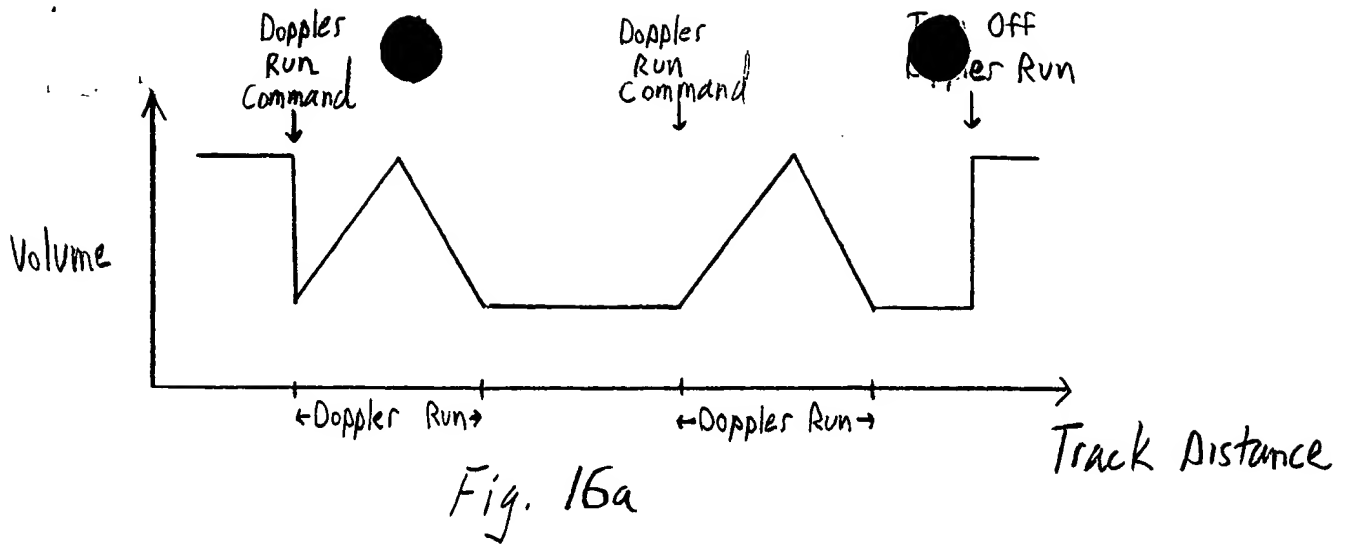


Fig. 15b [NOISY ENVIRONMENT]



00731048-120700

00731048-120700

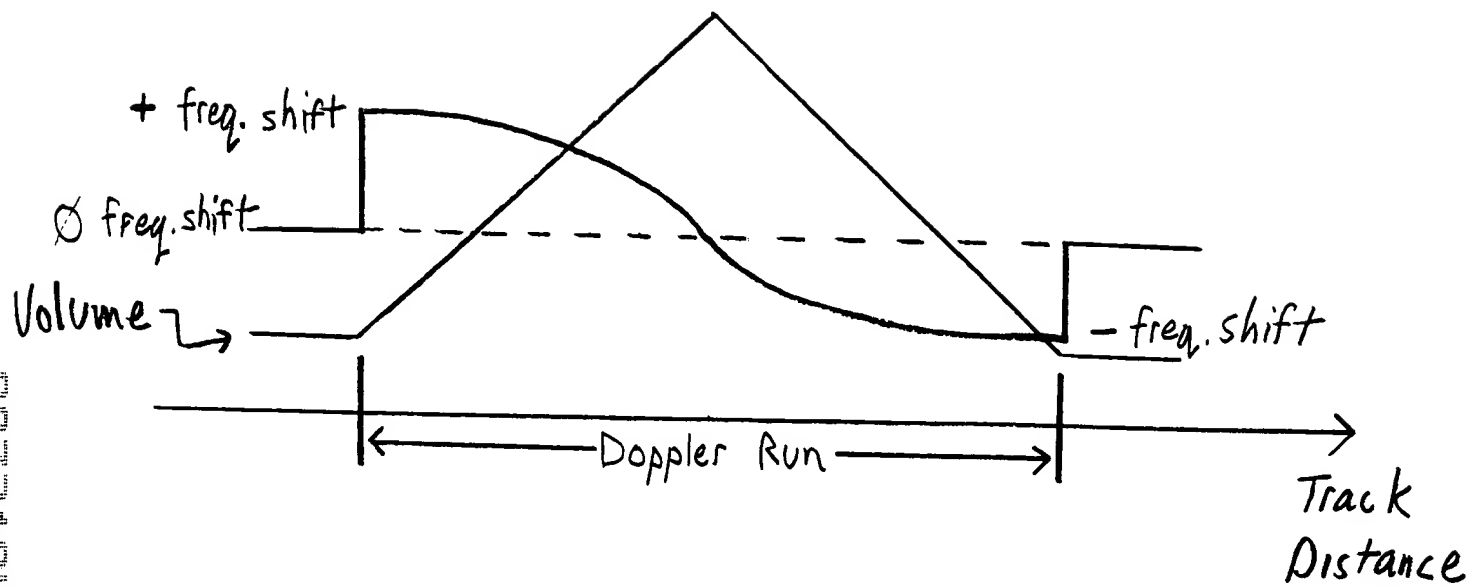


Fig. 16d

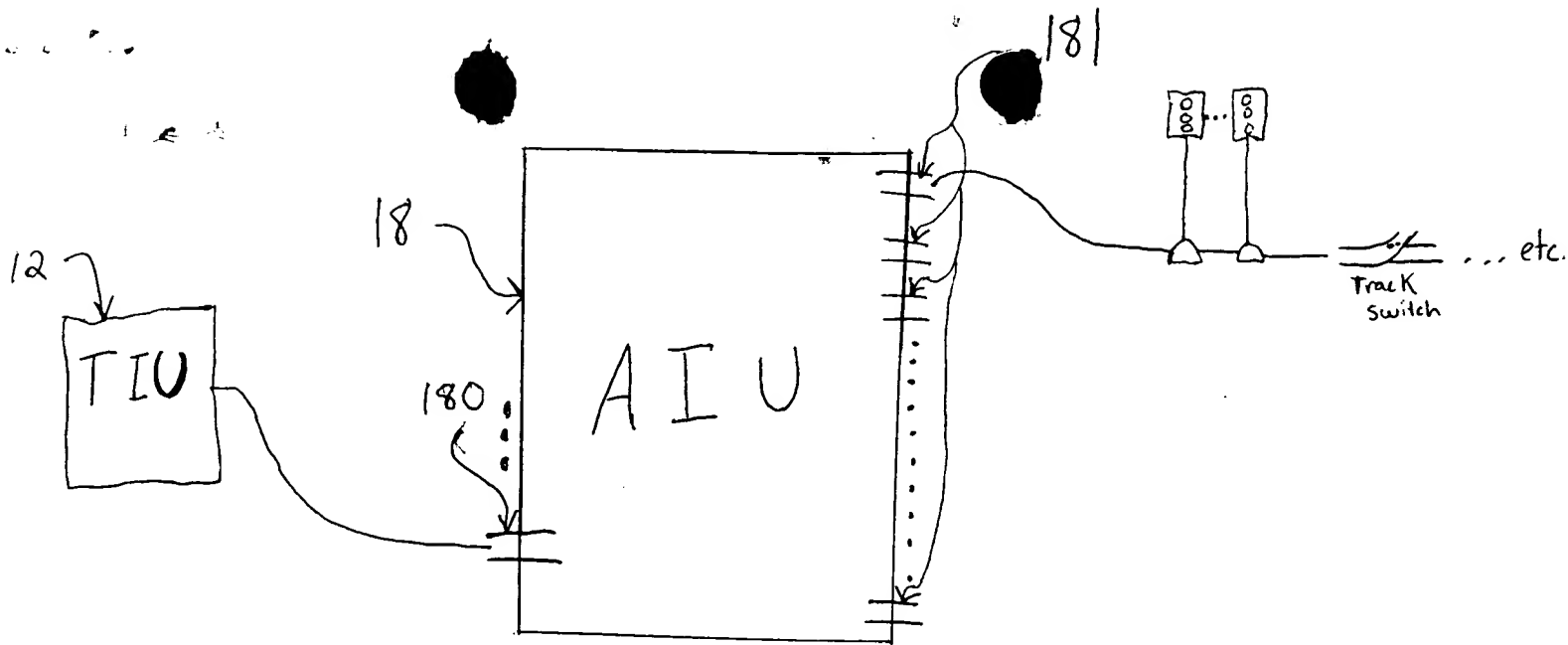


Figure 17a

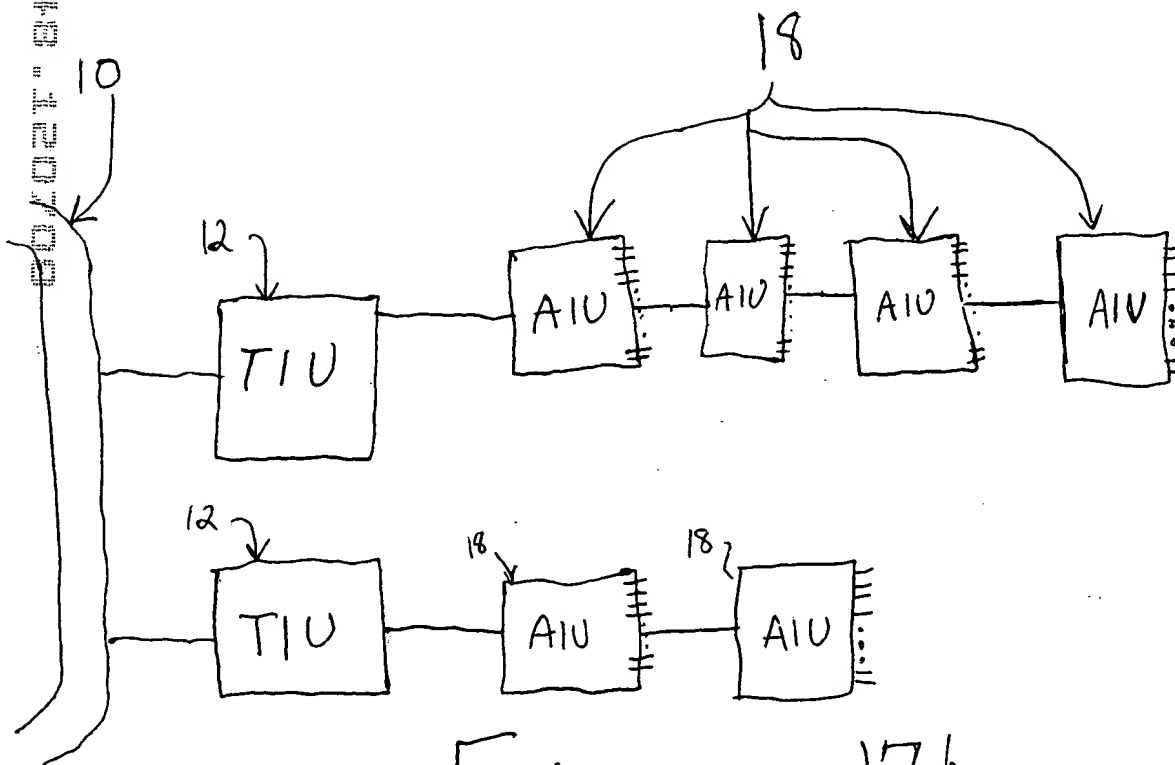


Figure 17b